



Caledonian

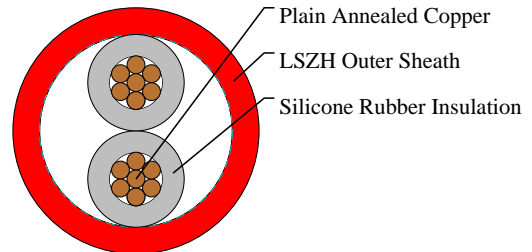
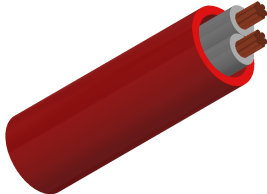
Airport Cables

www.caledonian-cables.com

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FAS (Fire Alarm System) Control Cable

FFX200 05SZ1-R 2G2.5 (CU/SR/LSZH 2x2.5mmsq 300/500V class 2)



APPLICATIONS

The cables are multicore stranded flexible cables sheathed with thermoplastic LSZH compound. The cables are designed specially for fire alarm systems where the integrity of the electrical circuit is critical in maintaining power supply. Applications can be found in emergency lightings, control and power circuits, power stations, fire alarm systems, underground.

FIRE PERFORMANCE

Basic design	BS 7629-1
Halogen Free	IEC 60754-1
No corrosive gas emission	IEC 60754-2
Minimum Smoke Emission	IEC 61034/1/2
Reduced Fire Propagation	IEC 60332-3C / NF C 32-070-2.2 (C1)
Flame Retardance	IEC 60332-1 / NF C 32-070-2.1 (C2)
Fire Resistance	IEC 60331 / BS 5839-1 Clause 26 2d / NF C 32070-2.3(CR1)

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

Conductor: Plain annealed copper wire, stranded according to IEC(EN) 60228 class 2.

Insulation: Fire resistant silicone rubber compound type EI2 as per BS 7655-1.1

Outer Sheath: Thermoplastic LSZH compound type LTS3 as per BS 7655-6.1.

PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation (fixed state): -30°C – +90°C

Temperature range during installation (mobile state): -20°C – +50°C

Minimum bending radius: 8 × Overall Diameter

Electrical Properties



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Dielectric test:2000 V r.m.s. x 5' (core/core)

Insulation resistance:300 MΩ x km (at 20°C)

Short circuit temperature:350°C

DIMENSION AND PARAMETERS

No. of Cores	Nominal Cross-sectional Area	No./Nominal Diameter of Strands	Nominal Insulation Thickness	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight
	mm ²	no./mm	mm	mm	mm	kg/km
2	2.5	7/0.67	0.8	1	9	105



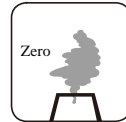
BS 7629-1



Fire Resistant
IEC 60331-21



Flame Retardant
NF C32-070-2-1(C2)
IEC60332-1-2:ENS0265-2-1



Halogen Free
IEC 60754-1



Low Corrosivity
IEC60754-2:ENS0207-2-2/3
NF C32-074/NF C20-453



Low Smoke Emission
IEC 61034-2-1:EN 50268-2
NF C32-073/NF C 20-902



Reduced Fire Propagation
NF C32-070-2-2(C1)
IEC60332-3-24:ENS0266-2-4